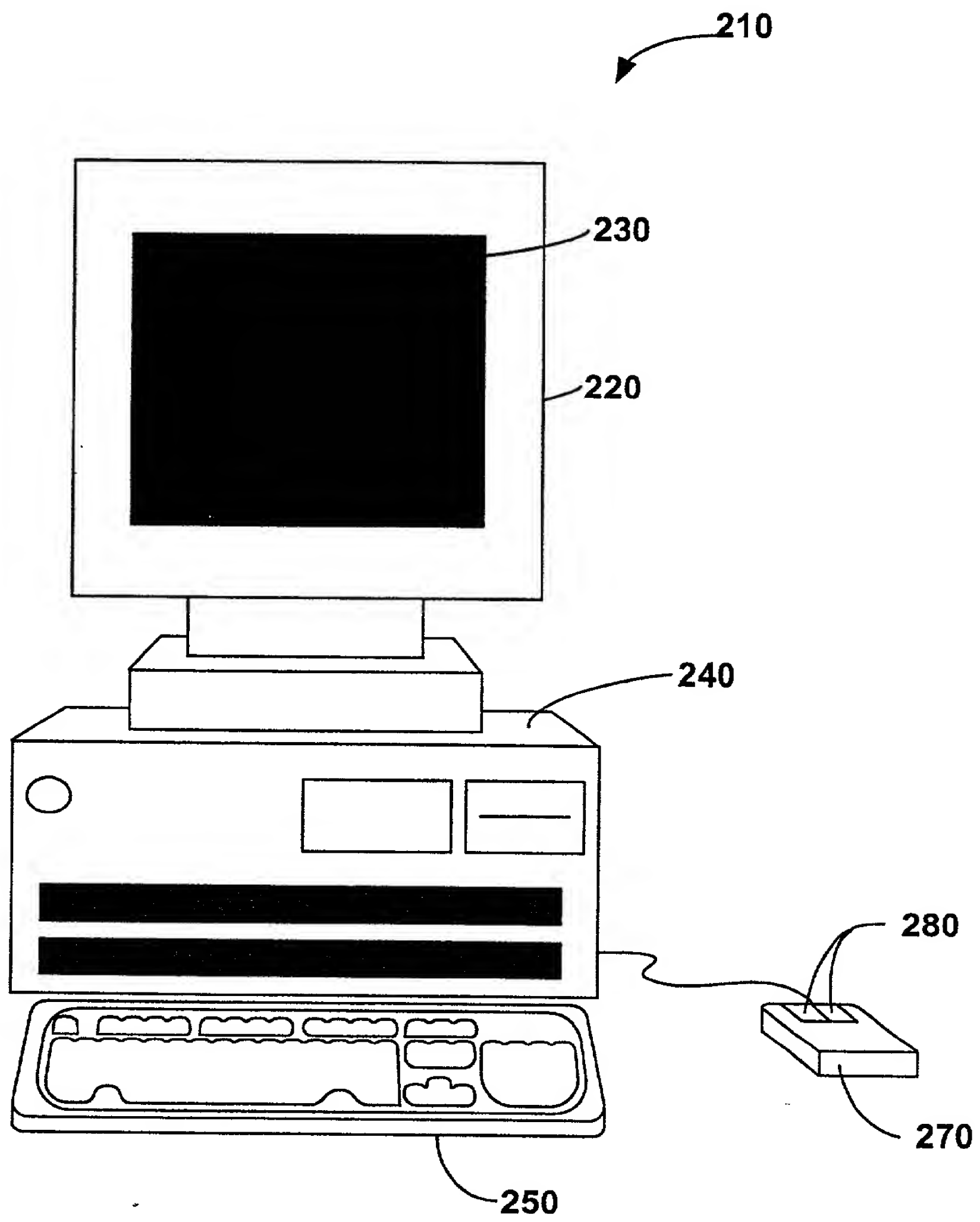
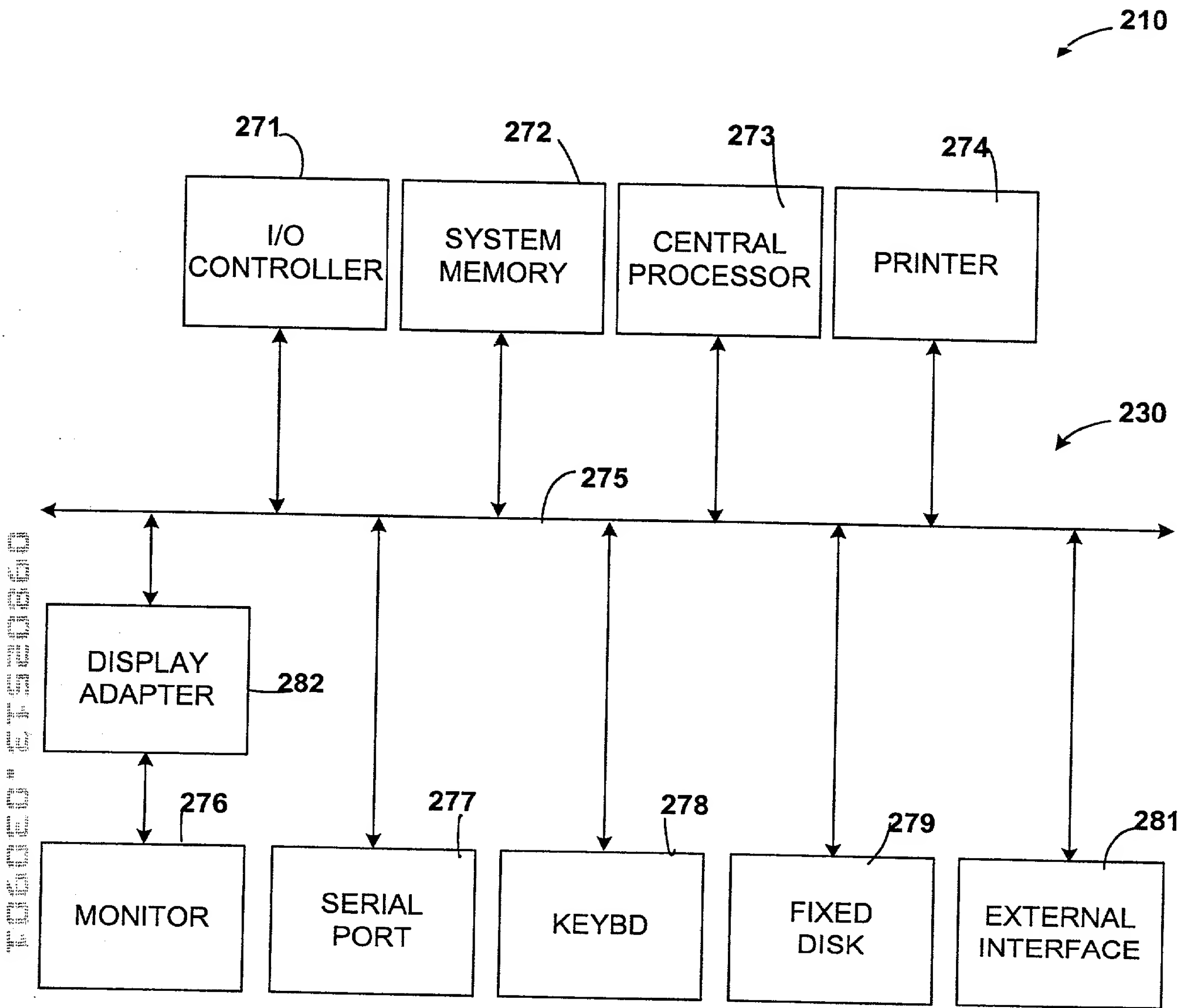


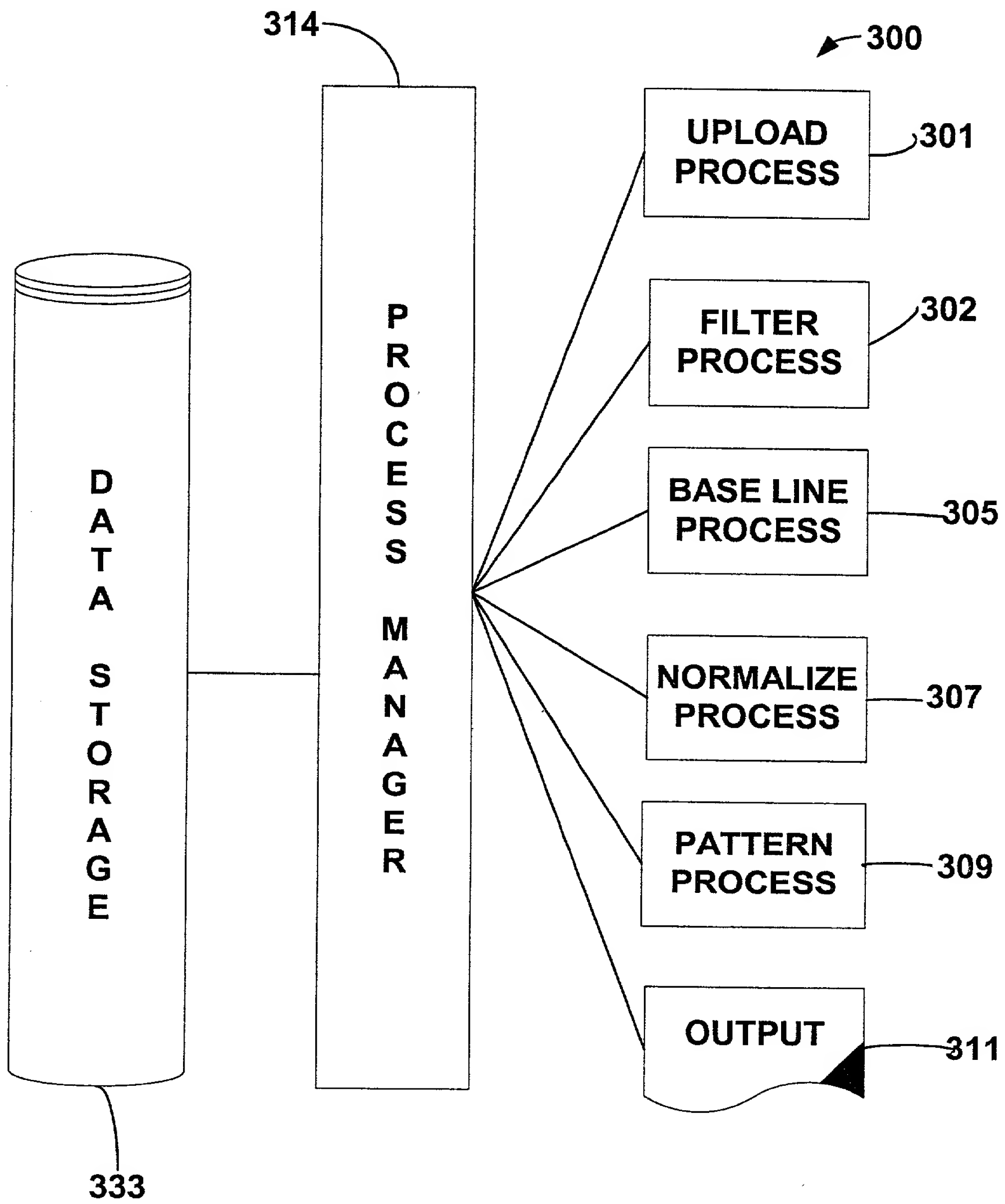
**FIG. 1**



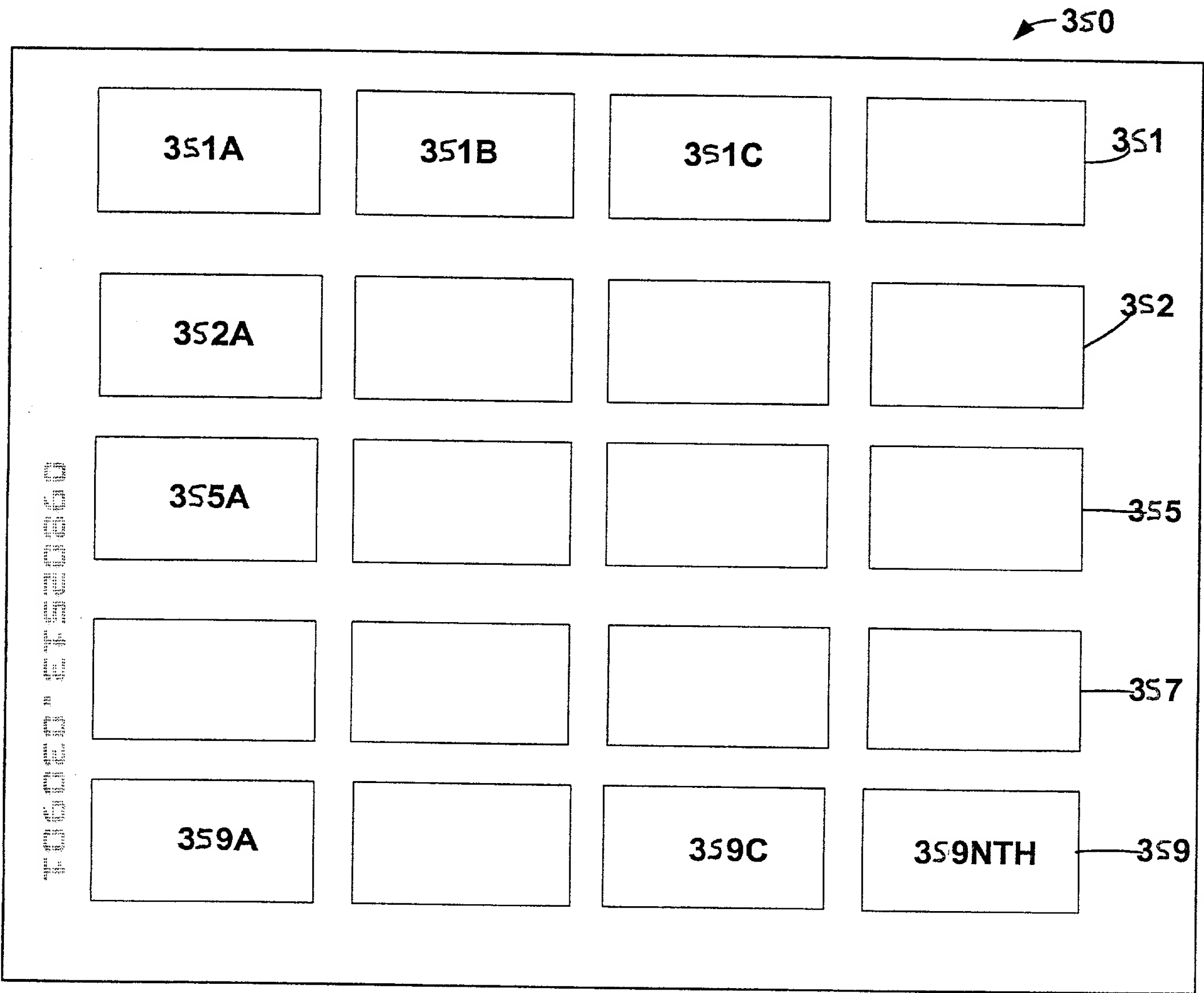
**FIG. 2**



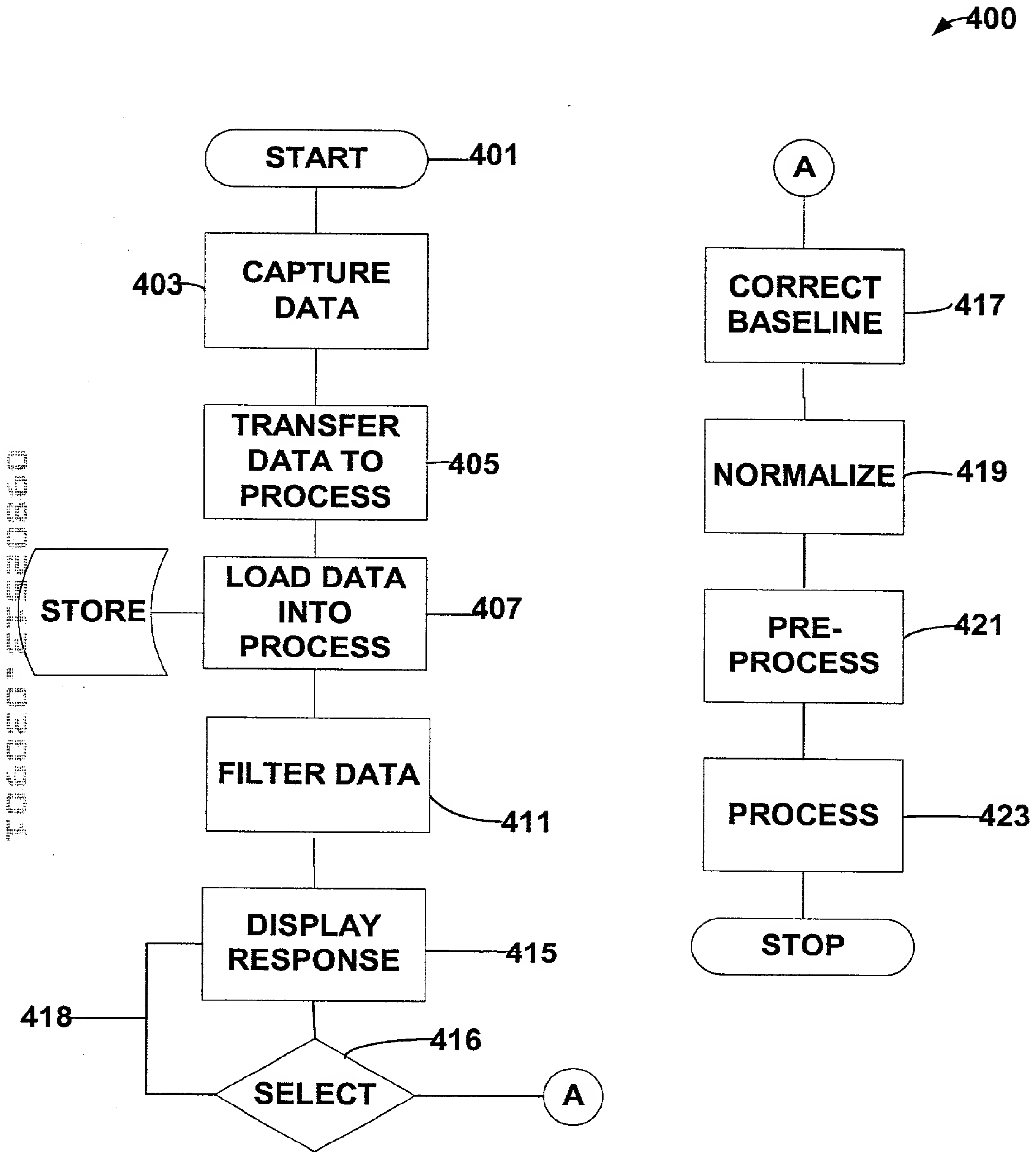
**FIG. 2A**



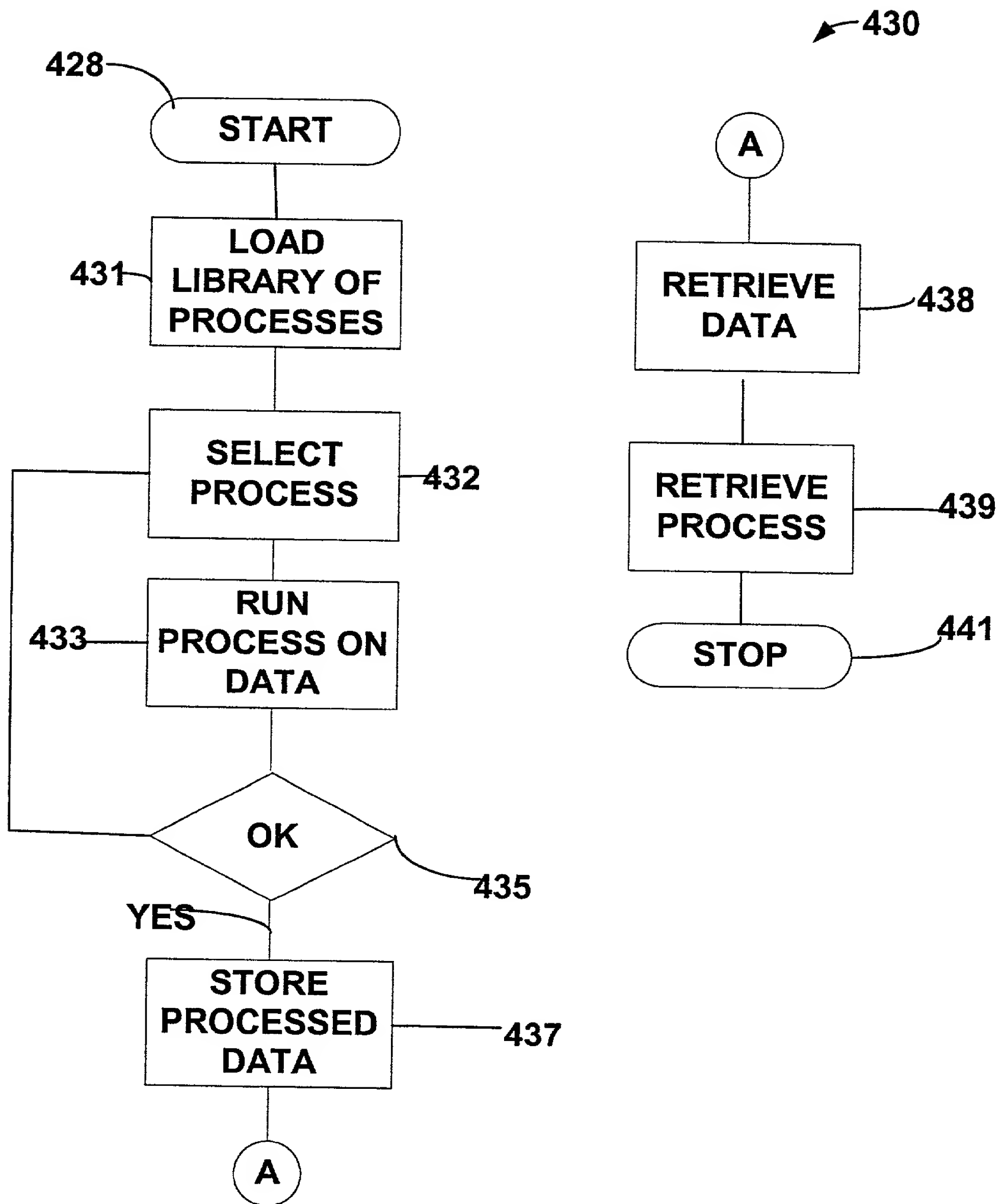
**FIG. 3**



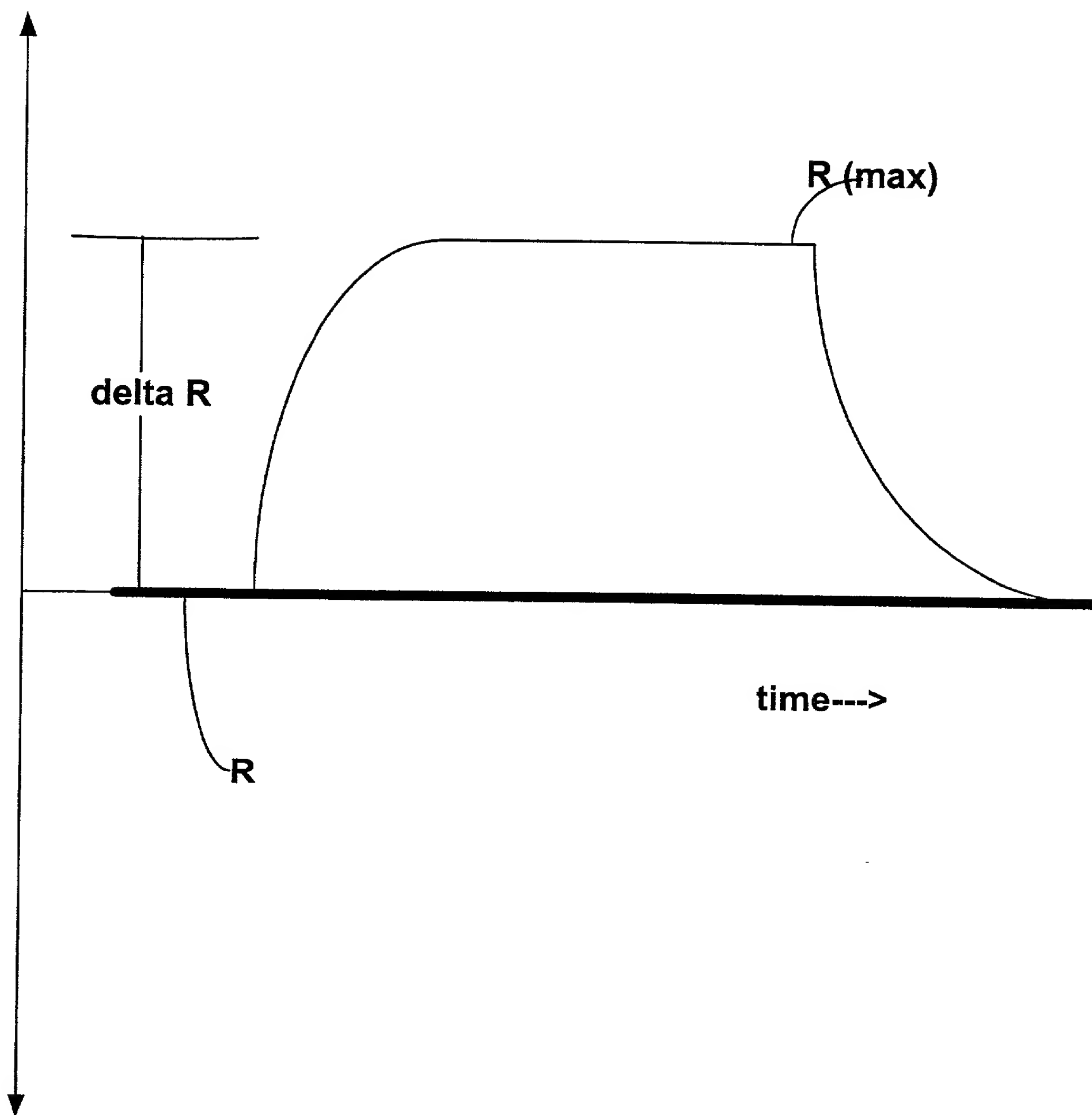
**FIG. 3A**



**FIG. 4A**

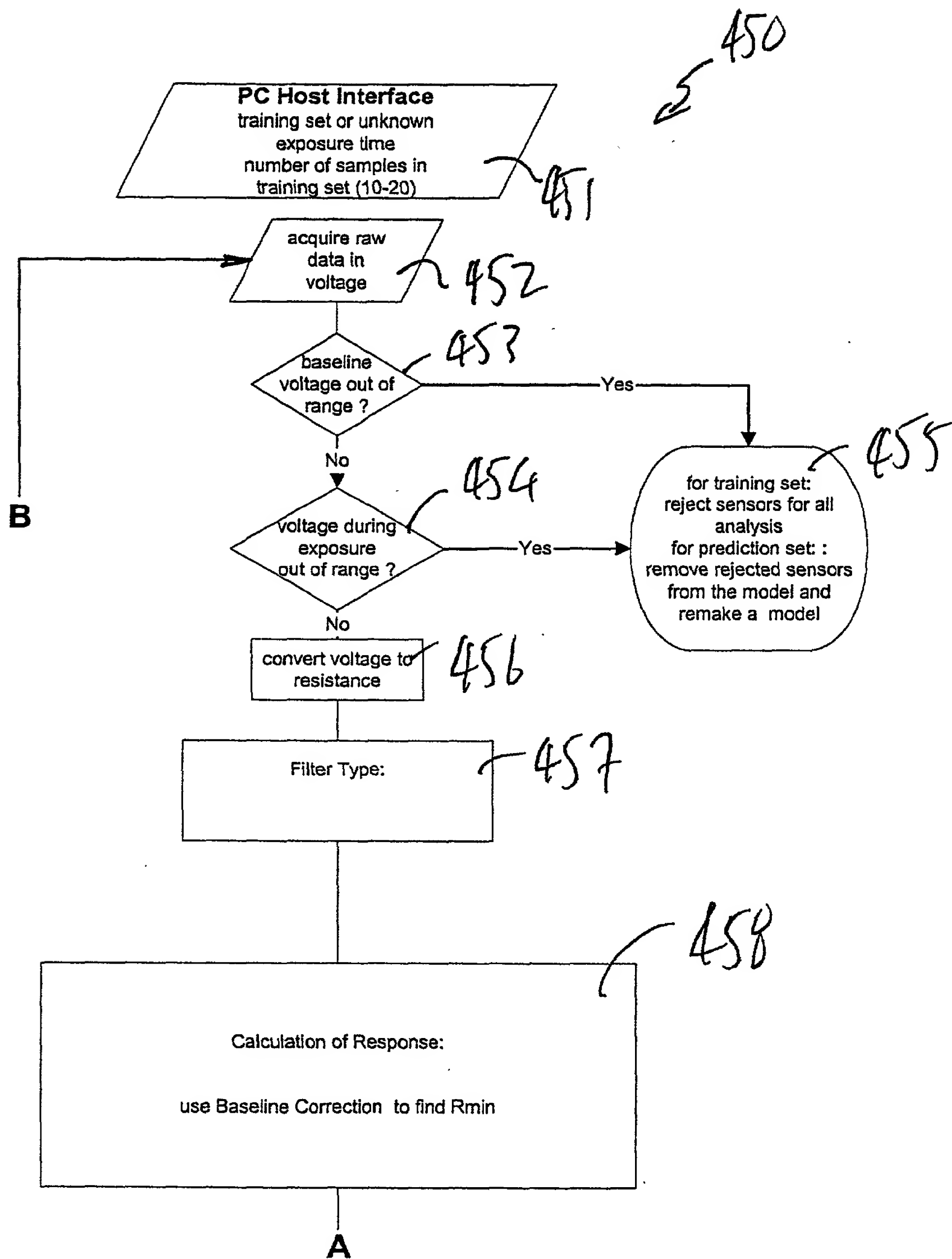


**FIG. 4B**

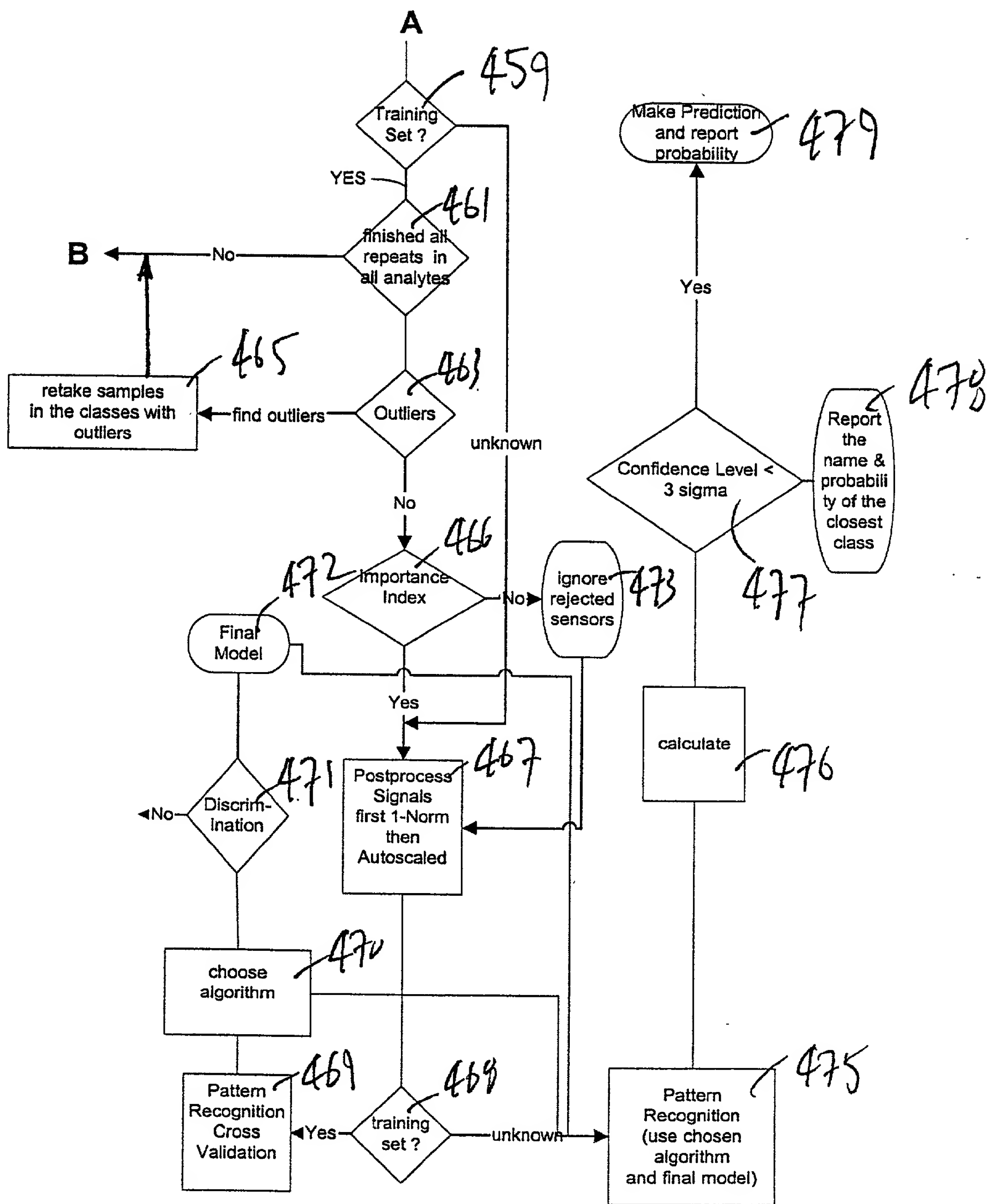


**FIG. 4C**





**FIG. 4D**



**FIG. 4E**

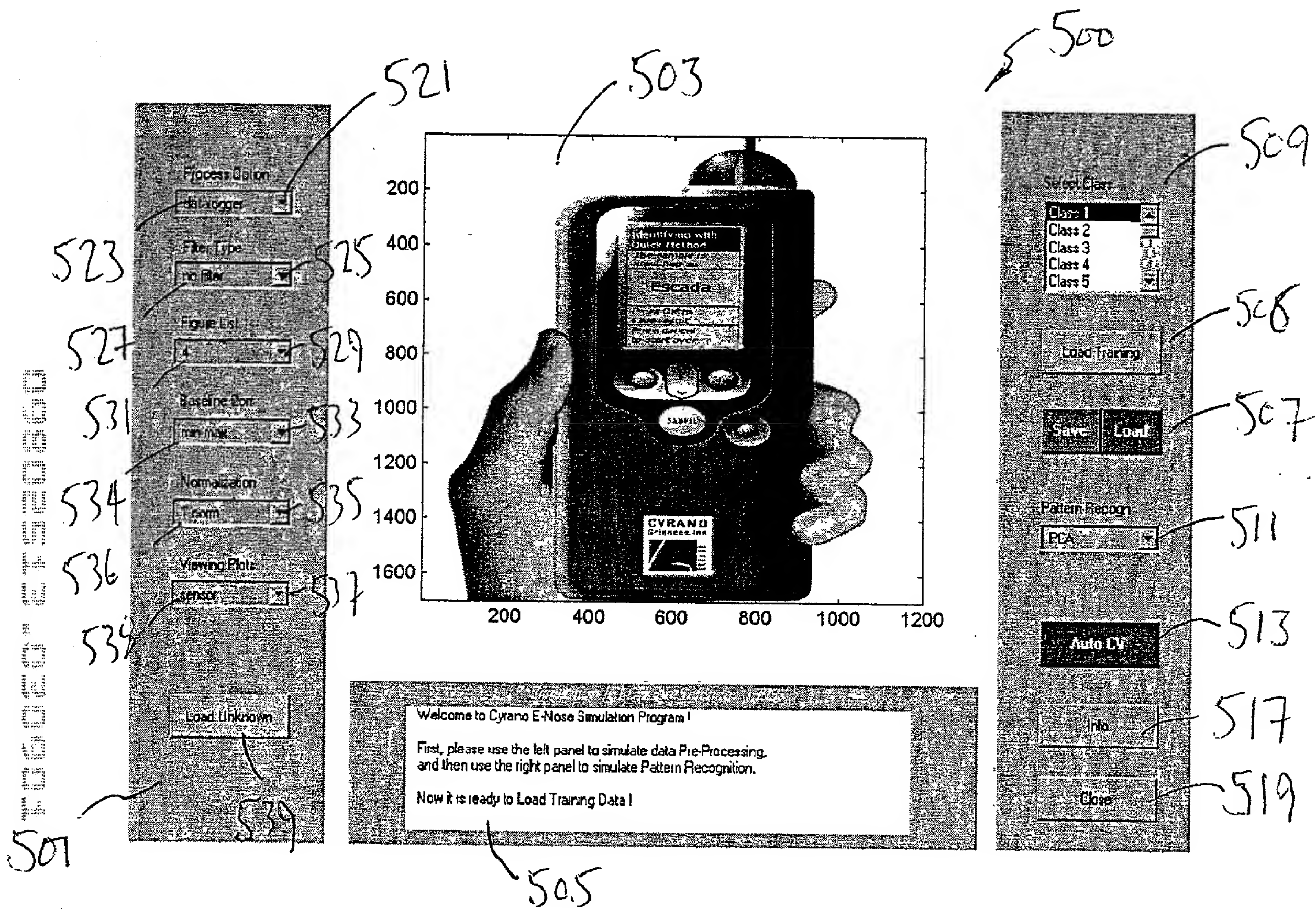


FIG. 5A

Process Option:

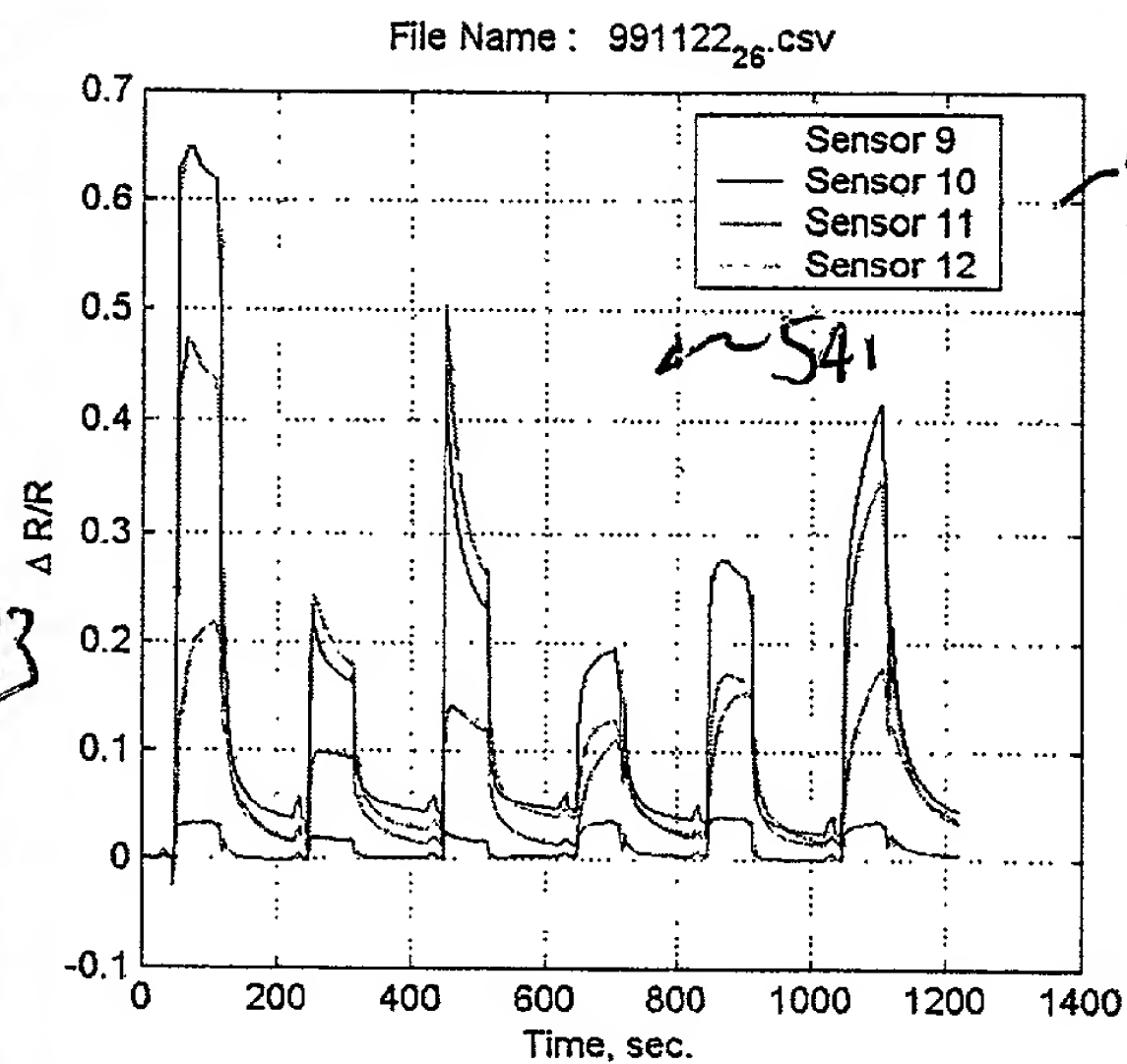
Filter Type:

Figure List:

Baseline Corr:

Normalization:

Viewing Plot:



Response plot of sensors is Done!  
 You may want to see another plot of sensor responses,  
 or go to the next step to do the baseline correction.

Select Class:

Pattern Recogn:

FIG. 5B





536 535

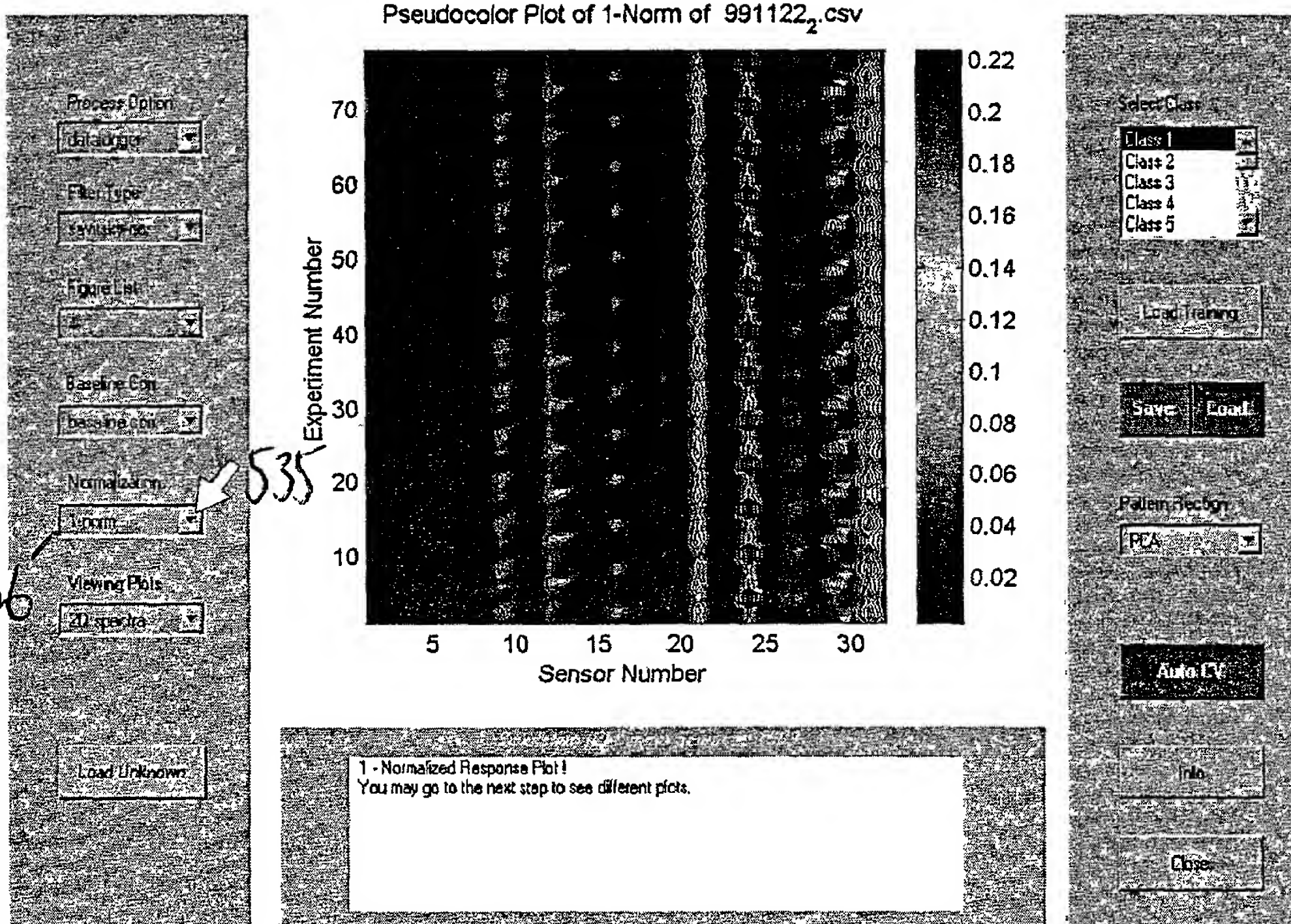
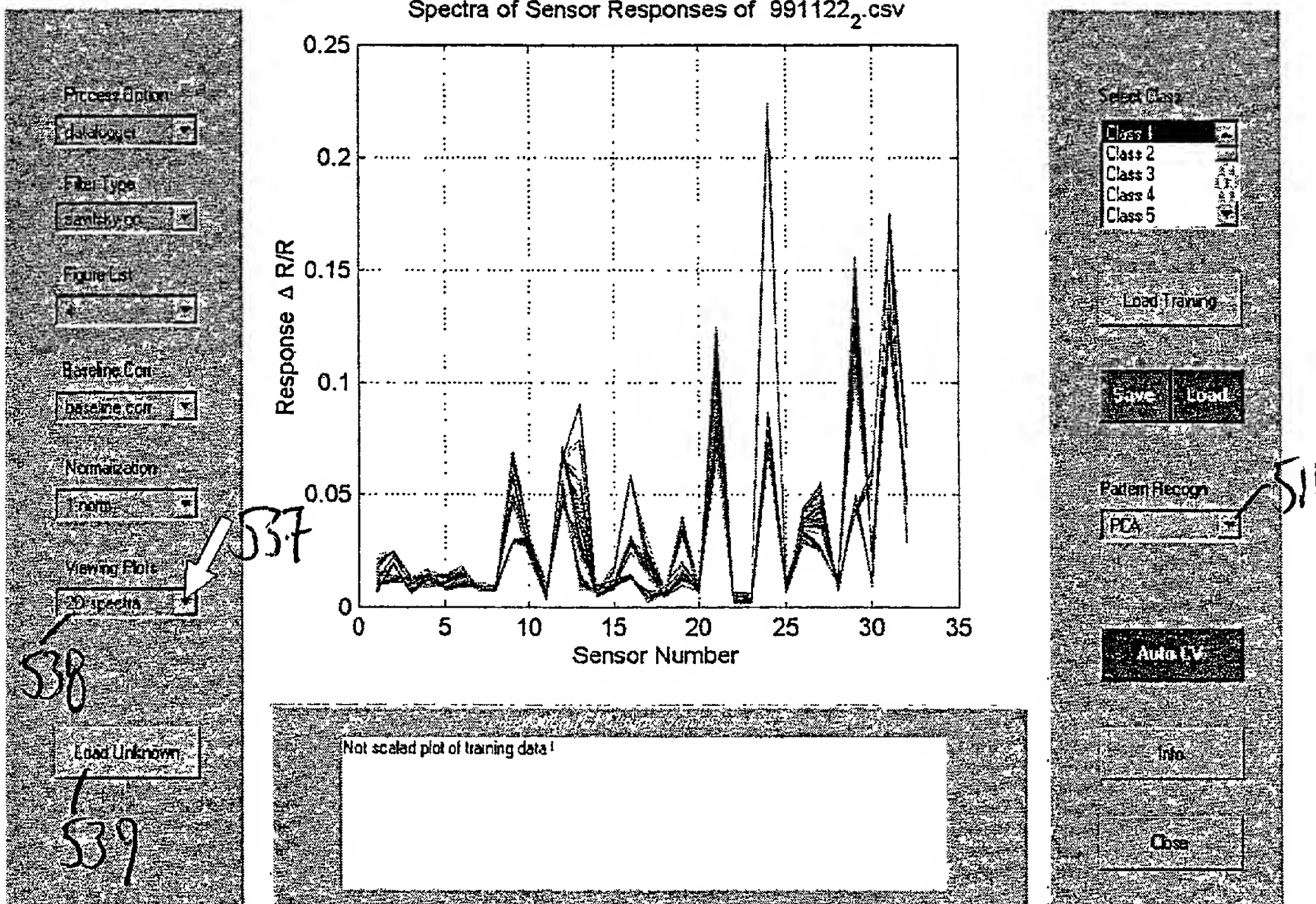


Fig. 5D

991122\_2.csv





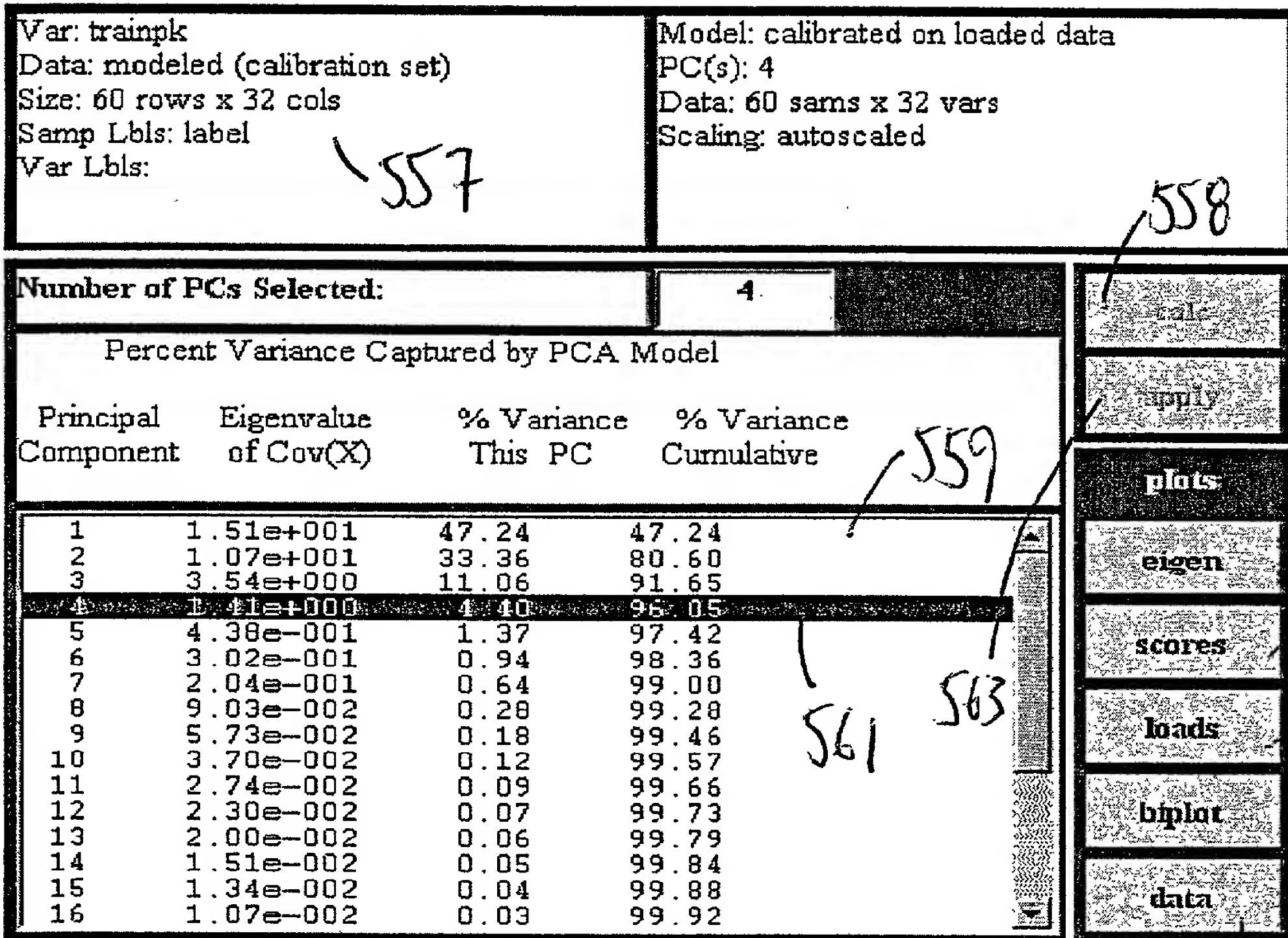


FIG. 5F



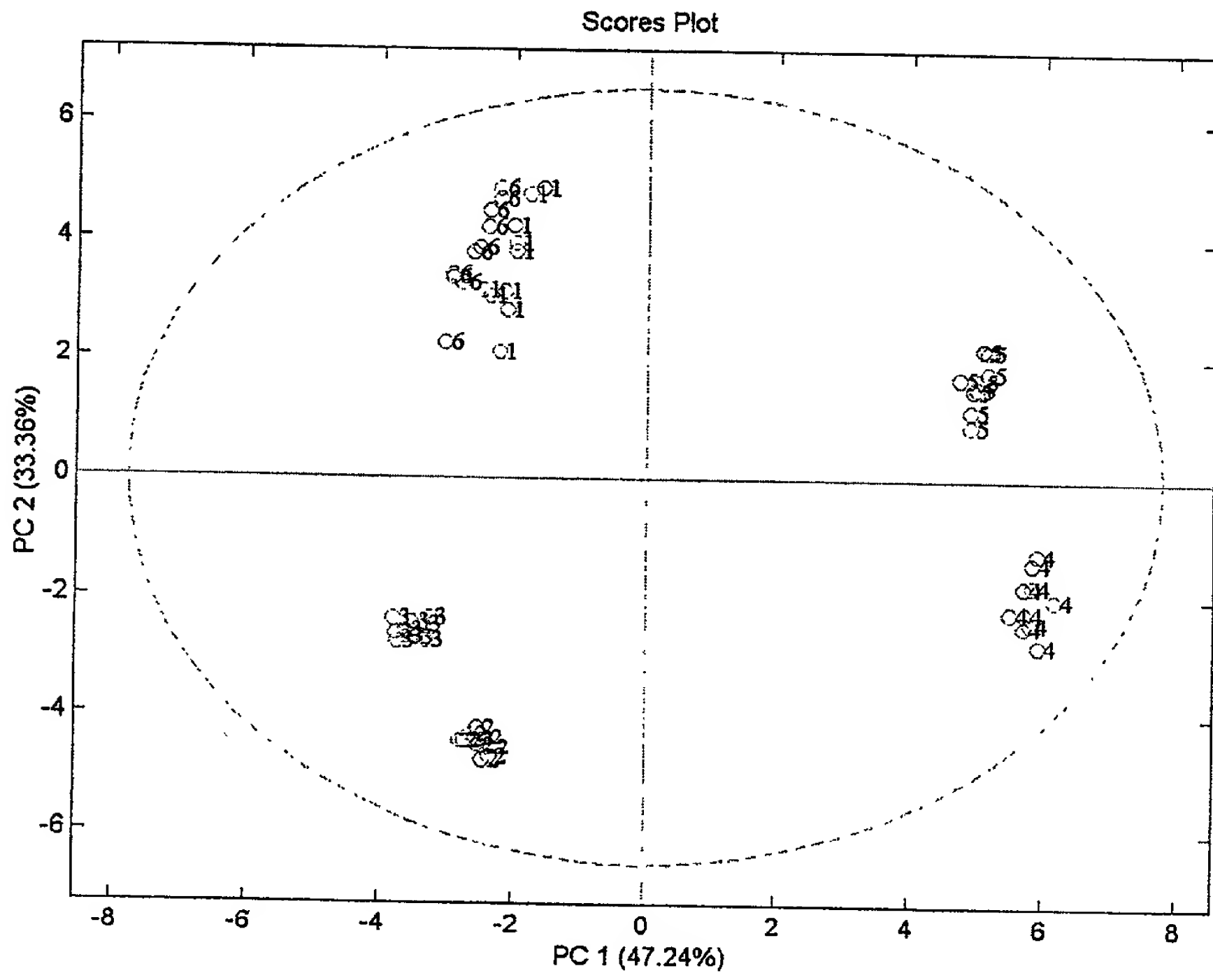


Fig. 56

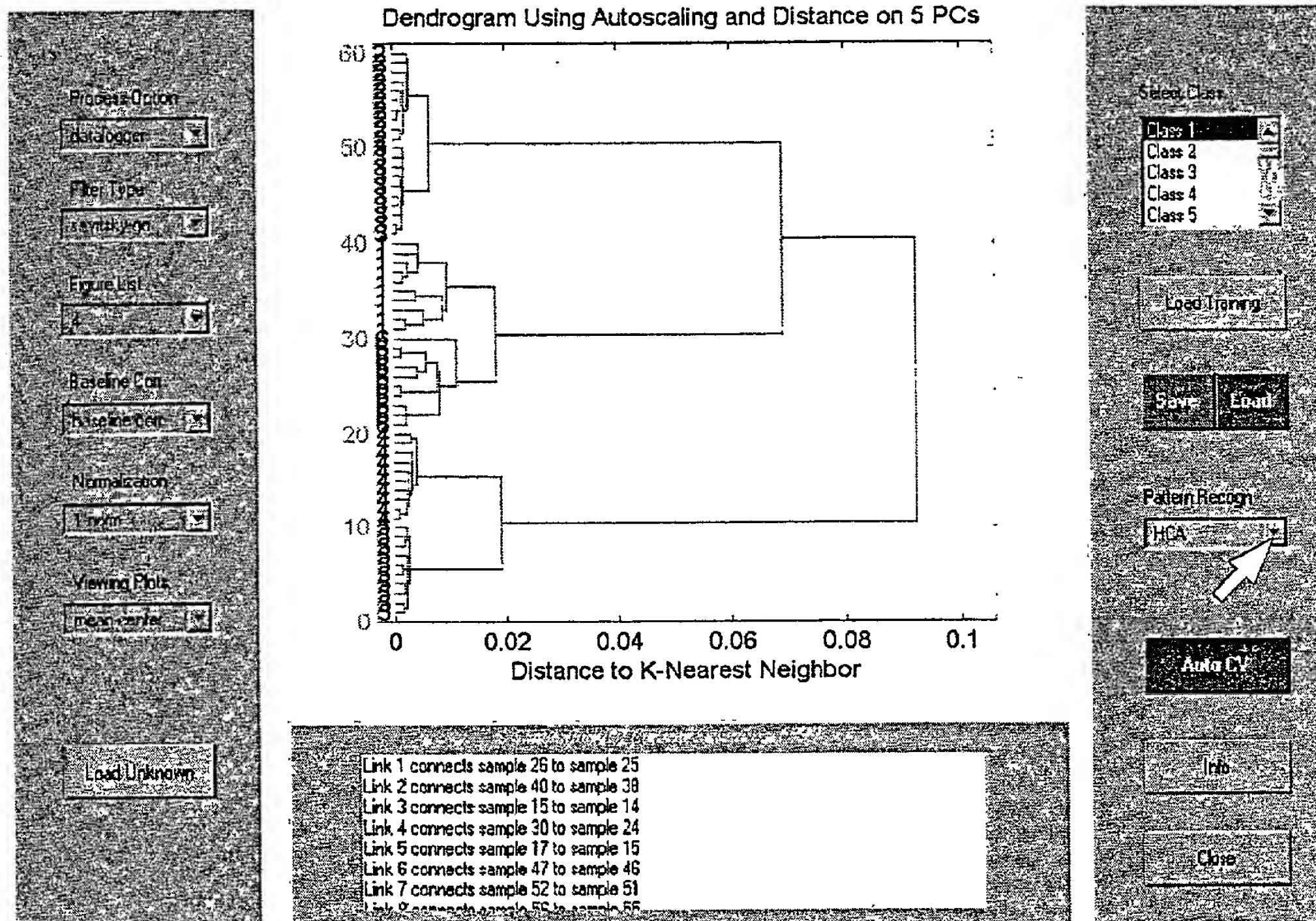


FIG. 5H

The screenshot displays the SIMCA 4.0 software interface. The central plot is a Dendrogram titled "Dendrogram Using Mahalanobis Distance on 4 PCs". The y-axis represents the distance scale from 0 to 60, and the x-axis represents the "Distance to K-Nearest Neighbor" from 0 to 2.5. The dendrogram shows the hierarchical clustering of data points.

On the left side, there is a "Process Option" panel with the following settings:

- Process Option: Manager
- Filter Type: No filter
- Figure List: 1
- Baseline Corr: min/max
- Normalization: 1 norm
- Viewing Filter: Select

At the bottom left, there is a "Load Unknown" button.

On the right side, there is a "Select Class" panel with a list of classes: Class 1, Class 2, Class 3, Class 4, and Class 5. Below this list are buttons for "Load Training", "Save", and "Load".

Below the "Select Class" panel, there is a "Pattern Recogn" section with a dropdown menu set to "Fisher CV".

At the bottom right, there is a large "Auto CV" button with a mouse cursor pointing to it. Below this button are buttons for "Info" and "Close".

A text box at the bottom center contains the following message:

Auto-CV is done! The top five predictions are:

- 100.0 pct by using Fisher Linear with Auto-Scaling.
- 100.0 pct by using Fisher Linear with Mean-Centering.
- 100.0 pct by using SIMCA with Auto-Scaling.
- 100.0 pct by using SIMCA with Mean-Centering.
- 100.0 pct by using KNN with Auto-Scaling and PCA.

FIG. 5I

Process Option:

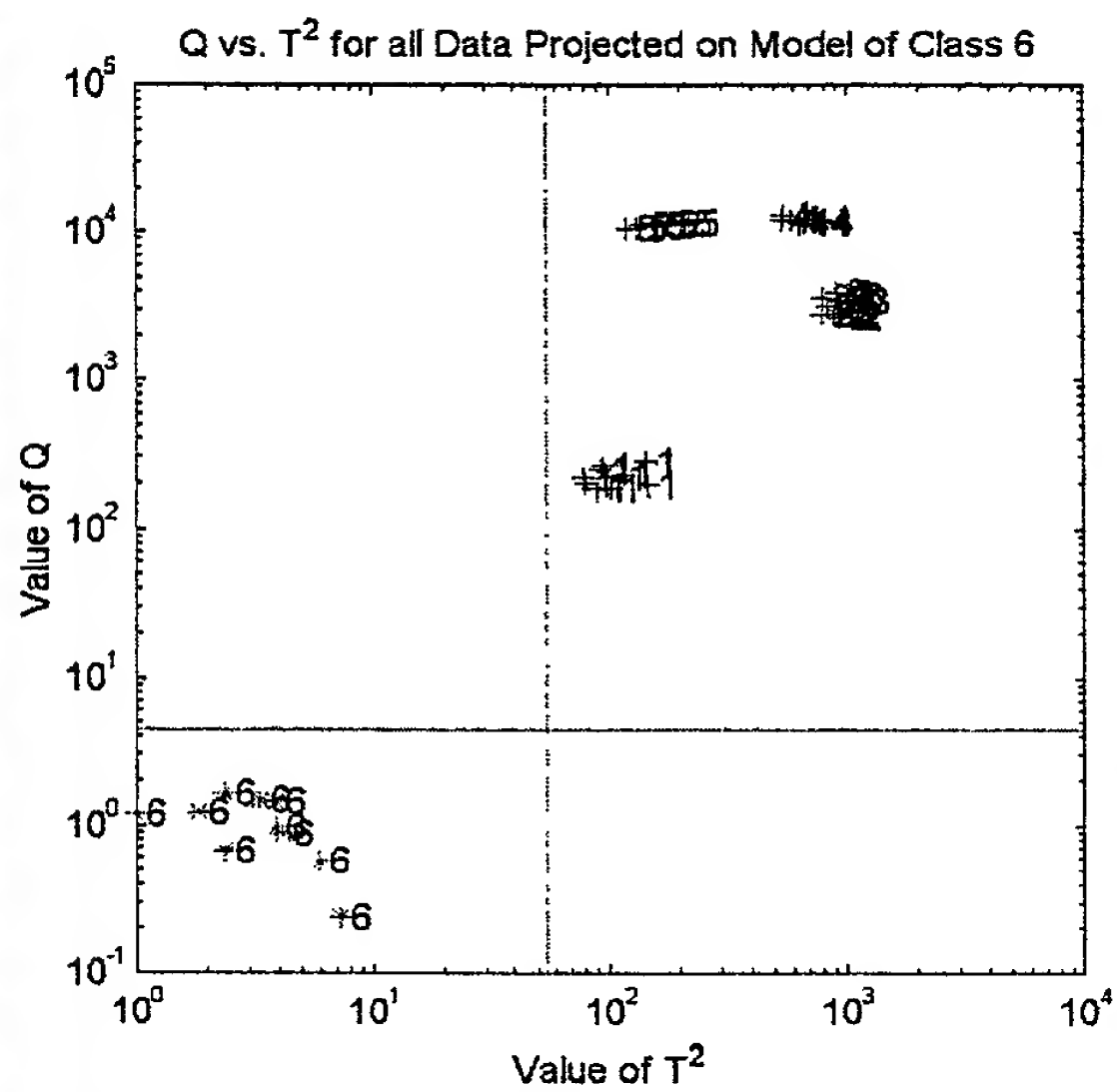
File Type:

Figure List:

Baseline Com:

Normalization:

Viewing Plot:



SIMCA model has been created based on:  
 4 PCs and 100.0 pct

Select Class:

Pattern Recogn:

FIG. 5J

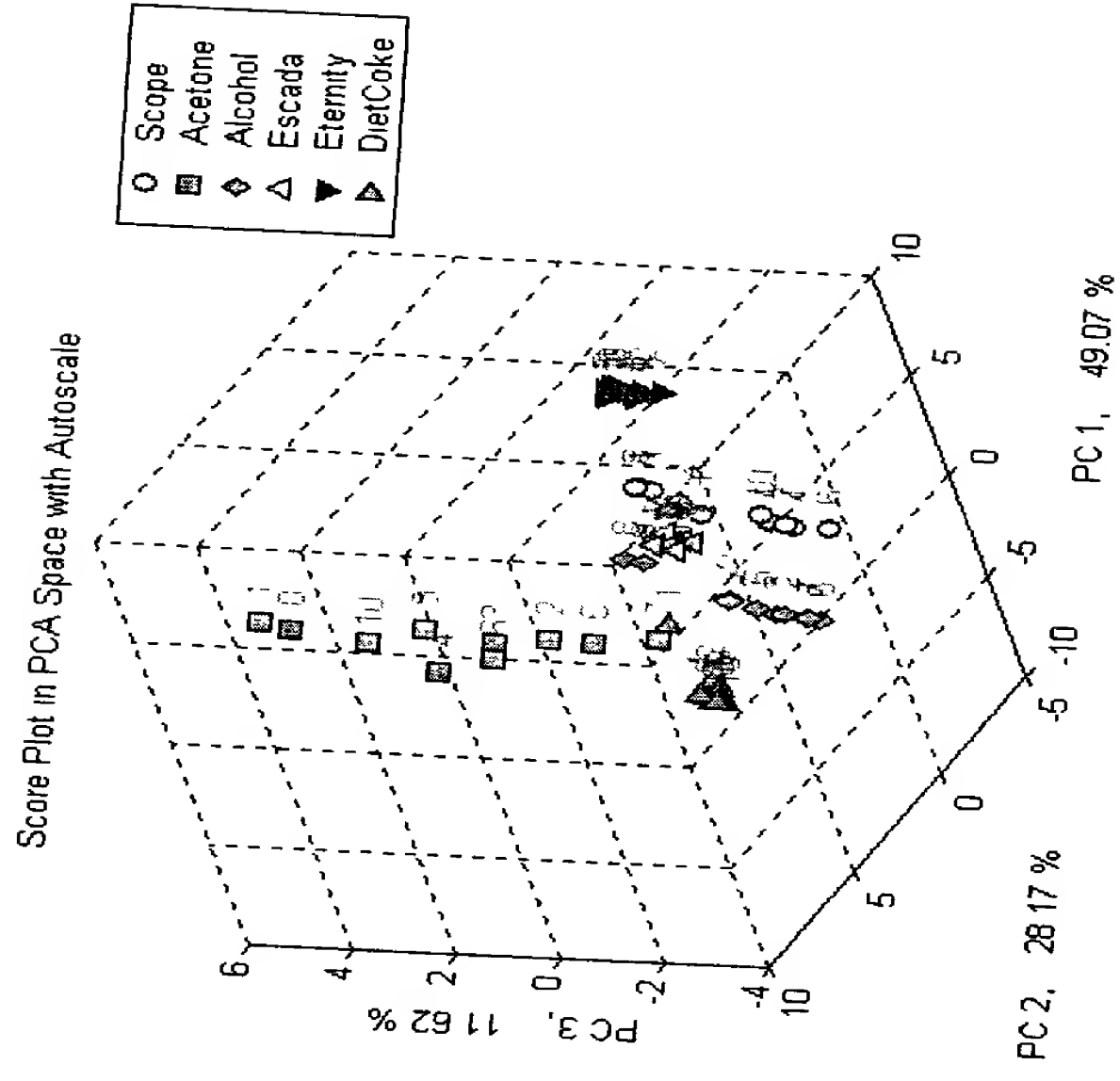


FIG. 5K



SCANNED # 14

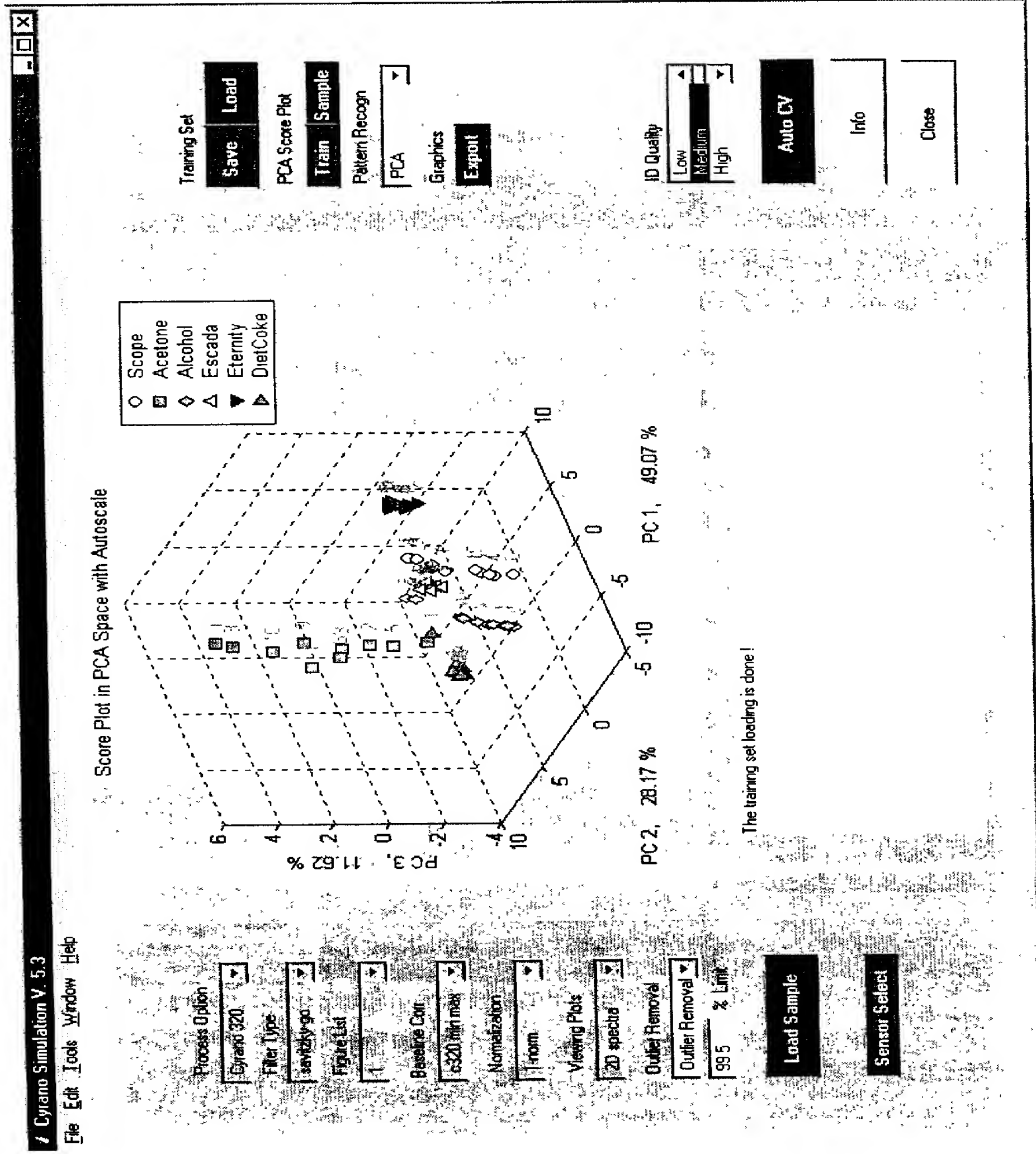


FIG. 5L